

S/N 09/746557



PATENT

#8
12/30/03
A.W.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Forrest Rhoads et al.	Examiner:	Samuel Rimell
Serial No.:	09/746557	Group Art Unit:	2171
Filed:	December 22, 2000	Docket:	962.011US2
Title:	SYSTEM AND METHOD FOR PROCESSING FORMATTED TEXT DOCUMENTS IN A DATABASE		

INFORMATION DISCLOSURE STATEMENT

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In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

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Page 2

Dkt: 962.011US2

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

FORREST RHOADS ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

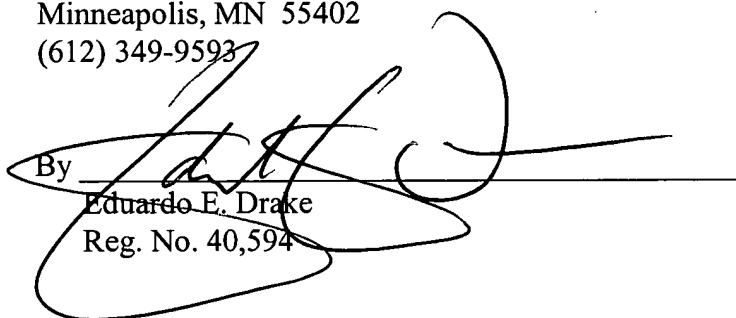
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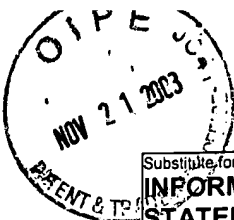
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JASON D. SMITH
Name


Signature



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STATEMENT BY APPLICANT**
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Application Number 09/746557

Filing Date December 22, 2000

First Named Inventor Rhoads, Forrest

Group Art Unit 2171

Examiner Name Rimell, Samuel

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Sheet 1 of 7

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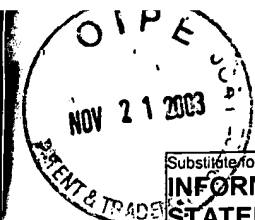
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US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-5,157,783	10/20/1992	Anderson, B., et al.	395	600	02/26/1988
	US-5,265,065	11/23/1993	Turtle, Howard R.	395	600	10/08/1991
	US-5,321,833	06/14/1994	Chang, S C., et al.	395	600	08/29/1990
	US-5,418,948	05/23/1995	Turtle, Howard R.	395	600	09/08/1993
	US-5,434,932	07/18/1995	Scott, Donald D.	382	309	07/28/1994
	US-5,488,725	01/30/1996	Turtle, Howard, et al.	395	600	03/30/1993
	US-5,497,317	03/05/1996	Hawkins, John, et al.	364	408	12/28/1993
	US-5,644,720	07/01/1997	Boll, Alfred R., et al.	395	200.12	07/31/1995
	US-5,708,825	01/13/1998	Sotomayor, B.	395	762	05/26/1995
	US-5,794,236	08/18/1998	Mehrle, Joseph P.	707	5	05/29/1996
	US-5,815,392	09/29/1998	Bennett, James, et al.	364	401	08/22/1995
	US-5,819,260	10/06/1998	Lu, et al.	707	3	
	US-5,832,494	11/03/1998	Egger, Daniel, et al.	707	102	05/17/1996
	US-5,870,770	02/09/1999	Wolfe	707	501	
	US-5,940,821	08/17/1999	Wical, K.	707	3	05/21/1997
	US-5,991,755	11/23/1999	Noguchi, N., et al.	707	3	11/25/1996
	US-6,038,574	03/14/2000	Pitkow, et al.	707	513	
	US-6,052,657	04/18/2000	Yamron, J. P., et al.	704	9	11/25/1997
	US-6,088,692	07/11/2000	Driscoll, J.	707	5	04/05/1999
	US-6,112,202	08/29/2000	Kleinberg	707	5	

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Examiner Name	Rimell, Samuel

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US-6,128,608	10/03/2000	Barnhill, S.	706	16	05/01/1999
US-6,134,344	10/17/2000	Burges, C, et al.	382	155	06/26/1997
US-6,157,921	12/05/2000	Barnhill, S.	706	16	05/01/1999
US-6,161,130	12/12/2000	Horvitz, E., et al.	709	206	06/23/1998
US-6,289,342	09/11/2001	Lawrence, S, et al.	707	7	05/20/1998

FOREIGN PATENT DOCUMENTS

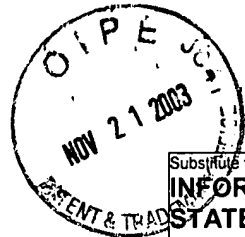
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	WO-00/26795	05/11/2000	Kantrowitz, M. , et al.	G06F	13/00	
	WO-00/67162	11/09/2000	Yang-Stephens, B. , et al.	G06F	17/30	
	WO-97/12334	04/03/1997	Smith, J., et al.	G06F	17/30	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AHA, DAVID W., "Instance-based Learning Algorithms", <u>Machine Learning</u> , 6, (1991),37-66	
		AL-KOFAHI, K., "Combining Multiple Classifiers for Text Categorization", <u>Proceedings of CIKM '01: Tenth International Conference on Information and Knowledge Management</u> , Atlanta, GA, (Nov 5-10, 2001), 97-104	
		BUENO, TANIA C., "JurisConsulto: Retrieval in Jurisprudential Text Bases using Juridical Terminology", ACM, (1999),147-155	
		CALLAN, JAMES P., "The Inquiry Retrieval System", In <u>Proceedings of the Third International Conference on Database and Expert Systems Applications</u> , Valencia, Spain; Springer-Verlag, (1992), 78-83	

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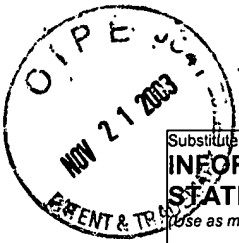
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		COHEN, W. et al, "Joints that generalize: Text classification using Whirl", <u>In Proceedings of the Fourth International Conference on Knowledge Discovery and Data Mining (KDD-98)</u> , New York, NY; AAAI Press, (1998), 169-173	
		COHEN, W. et al, "Context-sensitive Learning Methods for Text Categorization", <u>In Proceedings of the Nineteenth Annual International ACM SIGIR conference on Research and Development in Information Retrieval</u> , Zurich, Switzerland, (1996)	
		CREECY, ROBERT H., "Trading MIPS and memory for knowledge engineering: Classifying census returns on the connection machine", <u>Communications of the ACM</u> , 35, (July 1992), 48-63	
		CRISTIANINI, NELLO, "Support Vector and Kernel Machines", <u>http://www.support-vector.net/tutorial.html</u> , (2001), 84 pgs.	
		CRISTIANINI, NELLO, "Bayesian Voting Schemes and Large Margin Classifiers", <u>MIT Press</u> , (1999), 55-67	
		DANOWSKI, J. A., "WORDIJ: A Word-Pair Approach to Information Retrieval", <u>NIST Special Publication</u> , Gaithersburg, MD, US, (Mar. 1, 1993), 131-136	
		HATZIVASSILOPOULOS, V., "An Investigation of Linguistic Features and Clustering Algorithms for Topical Document Clustering", <u>23rd Annual International ACM SIGIR Conference on Research and Development in Information Technology</u> , 34, SIGIR 2000: Athens, Greece, (July 24, 2000), 224-231	
		HAYES, P. et al, "CONSTRUE/TIS: a system for content-based indexing of a database of news stories", <u>In Second Annual Conference on Innovative Applications of Artificial Intelligence</u> , (1990)	

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Examiner Name	Rimell, Samuel

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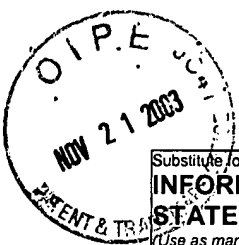
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

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		HOPCROFT, JOHN , "Introduction to Automata Theory, Languages, and Computation", <u>Addison-Wesley Publishing Company, Inc.</u> , (1979),139-142	
		IYER, R. D., "Boosting for Document Routing", <u>Proceedings of the Ninth International Conference on Information and Knowledge Managment -- CIKM 2000</u> , McLean, Va,(Nov 6, 2000),70-77	
		JACKSON, PETER, "Information Extraction from Case Law and Retrieval of Prior Cases by partial Parsing and Query-Generation", <u>Proceedings of the 1998 ACM CIKM: 7th International Conference on Information and Knowledge Management</u> , (1998),14 pgs.	
		JOACHIMS, THORSTEN, "Making Large-Scale Support Vector Machine Learning Practical", <u>Advances in Kernel Methods - Support Vector Learning</u> , MIT Press, (1999), 169-184	
		JOACHIMS, THORSTEN, "SVM light Support Vector Machine", <u>http://www.cs.cornell.edu/People/tj/svm_light/</u> , (2000),9 pgs.	
		KITTLER, J., "On Combining Classifiers", <u>IEEE Transactions on Pattern Analysis and Machine Intelligence</u> , 20, (March 1998),226-239	
		KREßEL, ULRICH, "Pairwise Classification and Support Vector Machines", <u>Advances in Kernel Methods - Support Vector Learning</u> , MIT Press, 1999, 255-268	
		LAM, L., "Classifier Combinations: Implementations and Theoretical Issues", <u>Proceedings of the First International Workshop on Multiple Classifier Systems -- MCS 2000 (Lecture Notes in Computer Science, Vol. 1857)</u> , Cagliari, Italy,(June 21, 2000),77-86	

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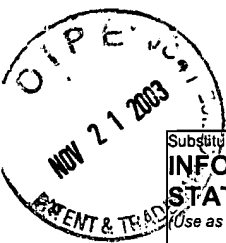
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		LARKEY, L. et al, "Combining Classifiers in Text Categorization", <u>Proceedings, 19th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval</u> , Zurich, Switzerland, (1996), 289-297	
		LEVENSHTAIN, V. I., "Binary Codes Capable of Correcting Deletions, Insertions, and Reversals", <u>Soviet Physics - Doklady</u> , vol. 10, no. 8, (1966), 707-710	
		LEWIS, DAVID D., "Feature Selection and Feature Extraction for Text Categorization", <u>In Proceedings of Speech and Natural Language Workshop</u> , Arden House, (1992), 212-217	
		MASAND, BRIJ, "Classifying News Stories using Memory Based Reasoning", <u>Proceedings of the Fifteenth Annual International ACM SIGIR Conference on Research and Development in Information Retrieval</u> , Copenhagen, Denmark, (1992), 59-65	
		MERKL, "En Route to Data Mining in Legal Text Corpora: Clustering, Neural Computation, and International Treaties", <u>IEEE</u> , (1997), 465-470	
		OSUNA, EDGAR, "Reducing the Run-Time Complexity in Support Vector Machines", <u>Advances in Kernel Methods - Support Vector Learning</u> , MIT Press, 1999, 271-283	
		PAPKA, R., "Document Classification Using Multiword Features", <u>Proceedings of the 1998 ACM CIKM 7th International Conf. on Info. and Knowledge Mgt.</u> , Bethesda, MD, USA, (November 3, 1998), 124-131	
		PORTER, M. F., "An Algorithm for Suffix Stripping", <u>Program</u> , 14(3), (July 1980), 130-137	

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First Named Inventor Rhoads, Forrest

Group Art Unit 2171

Examiner Name Rimell, Samuel

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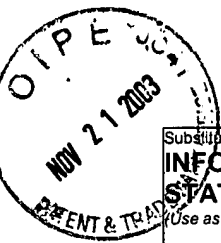
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		RAGAS, H., "Four Text Classification Algorithms Compared on a Dutch Corpus", <u>Proceedings of the 21st Annual International ACM-SIGIR Conference on Research and Development in Information Retrieval</u> , SIGIR '98 Melbourne, (August 1998), 369-370	
		SALTON, GERARD, <u>Automatic Text Processing</u> , Addison-Wesley Publishing Company, Reading, MA, (1989), 229-470	
		SCHOLKOPF, BERNHARD, "Advances in Kernel Methods: Support Vector Learning", <u>Massachusetts Institute of Technology</u> , ISBN 0-262-19416-3, (January 1999), 55-67, 169-184, 255-283	
		SCHOLKOPF, BERNHARD, "Statistical Learning and Kernel Methods", <u>Microsoft Research Limited</u> , http://research.microsoft.com/~bsc , Technical Report, MSR-TR-2000-23, (February 29, 2000), 33 pgs.	
		STANFILL, C. et al, "Toward Memory-Based Reasoning", <u>Communications of the ACM</u> , 29(12), (1986), 1213-1228	
		TUMER, K., "Order Statistics Combiners for Neural Classifiers", <u>Proceedings of the World Congress on Neural Networks, WCNN '95, World Congress on Neural Networks, 1995 International Neural Network Society Annual Meeting</u> , Washington, D.C., (July 17, 1995), 31-34	
		TURTLE, HOWARD R., "Inference Networks for Document Retrieval", <u>PhD Thesis, Computer and Information Science Department</u> , University of Massachusetts, (October 1991)	
		VAPNIK, VLADIMIR N., "Statistics for Engineering and Information Science: The Nature of Statistical Learning Theory", <u>Springer-Verlag New York, Inc.</u> , ISBN 0-387-98780-0, (December 1999), 123-180, 244-249, 268-299	

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		YANG, Y. et al, "A Re-Examination of Text Categorization Methods", <u>Proceedings of SIGIR '99, 22nd International Conference on Research and Development in Information Retrieval</u> , New York, NY,(August 1999),42-49	
		YANG, YIMING, "Expert Network: Effective and efficient learning form human decisions in tex categorization and retrieval", <u>In Proceedings of the Seventeenth Annual International ACM SIGIR Conference on Research and Development in Information Retrieval</u> , (1994),13-22	

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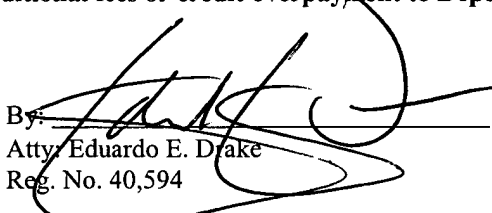
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